12. Problems on addition

1. Supriya has 12 goldfish in fish tank, she bought 4 more. How many goldfish does she have now?

12 + 4 = 16

$$\begin{array}{r} 12 \\ +\ 4 \\ \hline 16 \end{array}$$

2. Mayank loves birds. He has 18 birds. His grandmother gave him 20 more. How many birds does he have now?

___ + ___ = ___

3. Raman has 16 toys. His father gave him 4 more. How many toys does Raman have now?

___ + ___ = ___

4. Priya has 16 pets at one farm. She has 15 pets at another farm. How many pets does she have?

___ + ___ = ___

5. Sweta has 14 cows that give milk at her farm. She has 17 cows that do not give milk. How many cows does she have?

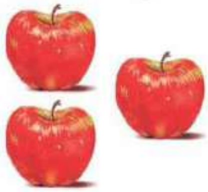
___ + ___ = ___

13. Subtraction (–)

Subtraction means taking away and then find the remaining.



take away 5

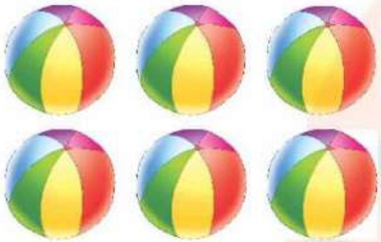


8 apples

$8 - 5 = 3$

3 apples remain

Eight minus five is equal to three



take away 3



6 balls

3 balls remain

$6 - 3 = 3$



minus



is equal to



5 ice-cream – 2 ice-cream = 3 ice-cream

$5 - 2 = 3$

Guideline

1. Write the number properly with the digits of numbers in proper places. While writing the numbers we will write the numbers in same way as we write in English or Hindi language.
2. Start subtraction from the lowest place i.e. units place.
3. After completing subtraction, read the answer/result from the highest place.

Subtract by Crossing



8 – 3 = 5



7 – 2 =



4 – 2 =



6 – 3 =



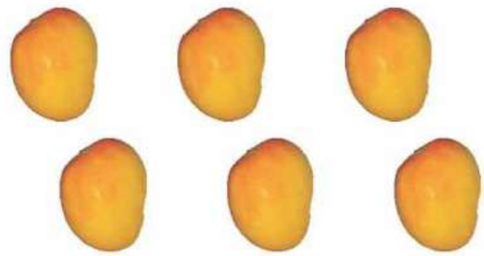
9 – 3 =



8 – 2 =



3 – 1 =



6 – 1 =

Subtract the following

6 – 4 = ☐	9 – 4 = ☐	9 – 8 = ☐
5 – 1 = ☐	7 – 3 = ☐	8 – 5 = ☐
8 – 3 = ☐	9 – 1 = ☐	9 – 7 = ☐
9 – 2 = ☐	7 – 4 = ☐	6 – 1 = ☐
7 – 7 = ☐	8 – 7 = ☐	6 – 2 = ☐
7 – 4 = ☐	7 – 2 = ☐	4 – 3 = ☐
2 – 1 = ☐	6 – 2 = ☐	6 – 5 = ☐
5 – 2 = ☐	7 – 5 = ☐	8 – 4 = ☐
4 – 3 = ☐	9 – 3 = ☐	6 – 3 = ☐
8 – 6 = ☐	9 – 5 = ☐	5 – 4 = ☐

14. Subtracting Zero (0)

Look at the picture.

See what happens when you have zero things to subtract.

 – [ ] = 5

5 – 0 = 5



5 – 0 = [ ]



6 – 0 = [ ]



1 – 0 = [ ]



4 – 0 = [ ]



8 – 0 = [ ]



7 – 0 = [ ]

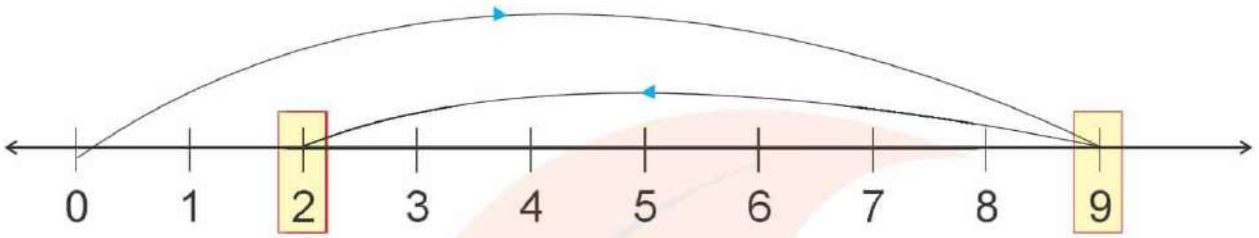
What did you find out? When we do not take away any number from a number it remains the same. Zero means nothing.

Subtraction on Number Line

Subtraction using the Number Line

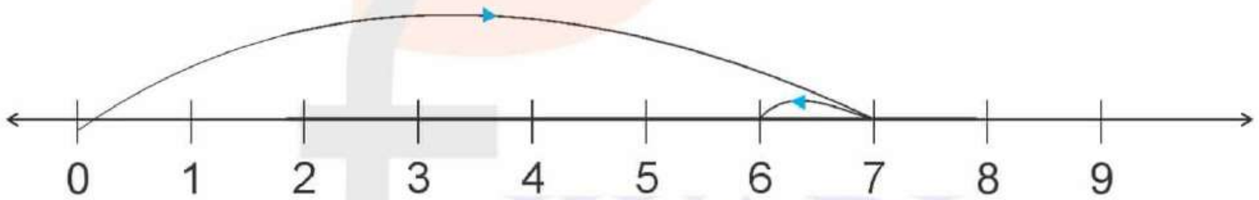
Let us subtract 7 from 9 on a number line:

Starting from 0, first mark 9 on the number line. Then, count 7 steps backward. We reach at the number 2.



9 – 7 = 2

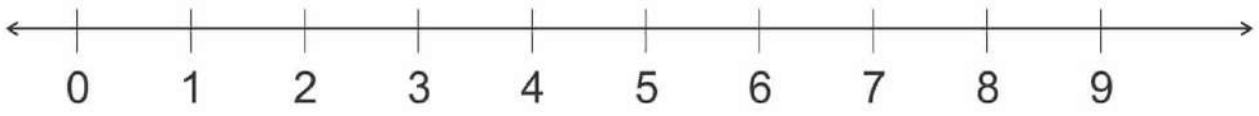
Now see one more example and fill the box:



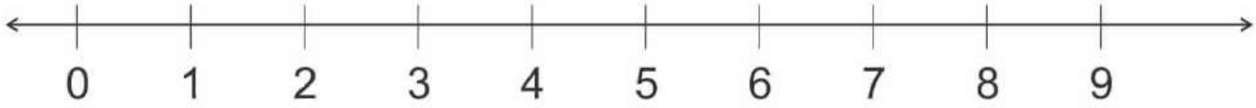
7 – 1 = 6

Practice Time

Fill in the blanks subtracting the following by the number line:



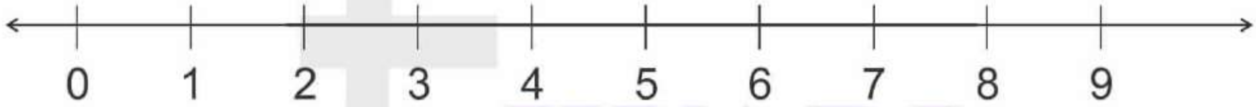
8 – 5 = ☐



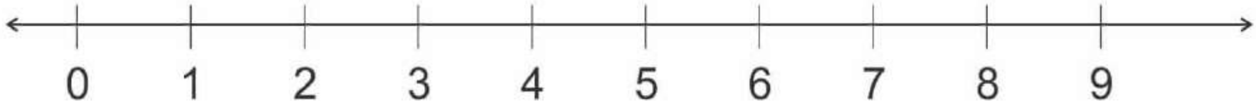
| 7 | – | 3 | = | |



| 8 | – | 2 | = | |



| 9 | – | 4 | = | |



| 6 | – | 3 | = | |

15. Expand and Subtract

Subtract 44 – 12

44 = 4 tens + 4 ones

–12 = 1 tens + 2 ones

= 3 tens + 2 ones

3 tens + 2 ones means 32

Hence, 44 – 12 = 32

Subtract 84 – 31

84 = 8 tens + 4 ones

–31 = 3 tens + 1 ones

= 5 tens + 3 ones

5 tens + 3 ones means 53

Hence, 84 – 31 = 53

Subtract the following:

1. Subtract 86 – 42

86 = 8 tens + 6 ones

–42 = 4 tens + 2 ones

= ☐ tens + ☐ ones

= ☐

2. Subtract 68 – 22

68 = 6 tens + 8 ones

–22 = 2 tens + 2 ones

= ☐ tens + ☐ ones

= ☐

3. Subtract 79 – 38

79 = 7 tens + 9 ones

–38 = 3 tens + 8 ones

= ☐ tens + ☐ ones

= ☐

4. Subtract 58 – 34

58 = 5 tens + 8 ones

–34 = 3 tens + 4 ones

= ☐ tens + ☐ ones

= ☐

Subtraction of two (2) digit numbers

Subtract the following

57 − 5	46 − 3	44 − 3	17 − 1
27 − 2	55 − 1	66 − 2	24 − 2
37 − 3	45 − 2	36 − 3	86 − 4
75 − 2	94 − 2	85 − 4	42 − 1
84 − 2	48 − 6	88 − 3	76 − 5

Subtract the following

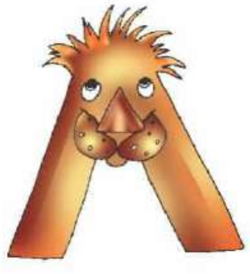
23 − 11	37 − 15	49 − 23	17 − 13	43 − 13
18 − 15	28 − 15	88 − 28	67 − 31	56 − 25
19 − 5	26 − 13	69 − 12	97 − 57	79 − 28
46 − 25	47 − 21	20 − 5	50 − 3	10 − 8
29 − 4	79 − 41	28 − 17	35 − 25	45 − 13

Subtract the following

12 − 11	36 − 14	75 − 25	48 − 17	55 − 22
45 − 43	35 − 15	35 − 22	45 − 32	95 − 45
55 − 22	56 − 45	69 − 40	78 − 44	85 − 49
88 − 42	82 − 31	91 − 21	65 − 42	75 − 42
75 − 47	65 − 42	95 − 42	82 − 21	42 − 41

Subtraction of three (3) digit numbers

Subtract the following



385 − 221	765 − 331	245 − 222	
525 − 421	782 − 261	832 − 518	873 − 661
332 − 221	633 − 423	978 − 717	238 − 126
882 − 562	428 − 316	878 − 225	328 − 116
812 − 611	928 − 716	828 − 567	486 − 232

16. Multiply

Multiply on the basis of tables:

8 × 3 = ☐	6 × 4 = ☐	4 × 7 = ☐
9 × 4 = ☐	3 × 7 = ☐	3 × 6 = ☐
5 × 8 = ☐	7 × 8 = ☐	5 × 9 = ☐
8 × 5 = ☐	3 × 5 = ☐	8 × 7 = ☐
6 × 7 = ☐	5 × 4 = ☐	6 × 2 = ☐

3 × 3 = ___	6 × 9 = ___	9 × 3 = ___	4 × 2 = ___	8 × 3 = ___	9 × 8 = ___
9 × 5 = ___	5 × 8 = ___	8 × 8 = ___	5 × 3 = ___	7 × 5 = ___	8 × 7 = ___
4 × 5 = ___	8 × 9 = ___	7 × 4 = ___	7 × 7 = ___	9 × 4 = ___	7 × 3 = ___

Teacher's Notes: Help the children in Multiplication. Teach them how to carry the numbers.

Multiply the following

2×6 = ____	2×4 = ____	4×2 = ____	7×2 = ____
3×2 = ____	9×1 = ____	5×8 = ____	3×5 = ____
8×4 = ____	7×6 = ____	5×4 = ____	8×2 = ____
5×3 = ____	7×4 = ____	8×3 = ____	5×2 = ____
5×1 = ____	3×3 = ____	2×2 = ____	4×5 = ____
8×3 = ____	4×3 = ____	2×5 = ____	1×7 = ____

Multiply the following

35 × 2 = ____	18 × 5 = ____	19 × 4 = ____	32 × 3 = ____
12 × 1 = ____	27 × 1 = ____	45 × 2 = ____	67 × 2 = ____
35 × 6 = ____	45 × 4 = ____	58 × 3 = ____	72 × 3 = ____
65 × 2 = ____	67 × 3 = ____	25 × 1 = ____	62 × 3 = ____
74 × 5 = ____	55 × 2 = ____	67 × 1 = ____	18 × 1 = ____
85 × 9 = ____	66 × 3 = ____	55 × 3 = ____	82 × 4 = ____

Multiply the following

25 × 1	23 × 3	31 × 2	12 × 5
21 × 3	24 × 3	22 × 4	11 × 7
42 × 3	12 × 8	26 × 2	17 × 2
33 × 2	19 × 1	31 × 3	11 × 5
21 × 4	28 × 1	53 × 4	41 × 2
33 × 3	27 × 3	10 × 3	82 × 2

17. Divide and Write

Divide and Write on the basis of table:

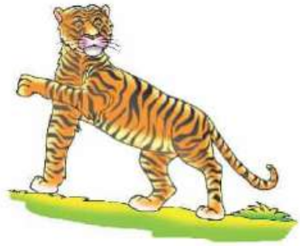
4 ÷ 2 = ☐	9 ÷ 3 = ☐	5 ÷ 5 = ☐
8 ÷ 2 = ☐	12 ÷ 3 = ☐	20 ÷ 5 = ☐
12 ÷ 2 = ☐	18 ÷ 3 = ☐	25 ÷ 5 = ☐
6 ÷ 2 = ☐	6 ÷ 3 = ☐	35 ÷ 5 = ☐
10 ÷ 2 = ☐	15 ÷ 3 = ☐	10 ÷ 5 = ☐
14 ÷ 2 = ☐	21 ÷ 3 = ☐	15 ÷ 5 = ☐
18 ÷ 2 = ☐	27 ÷ 3 = ☐	30 ÷ 5 = ☐
16 ÷ 2 = ☐	3 ÷ 3 = ☐	45 ÷ 5 = ☐
20 ÷ 2 = ☐	30 ÷ 3 = ☐	40 ÷ 5 = ☐
2 ÷ 2 = ☐	24 ÷ 3 = ☐	50 ÷ 5 = ☐

Divide and Write:



3) 3 = 1; − 3; X	2) 6	3) 12	
2) 16	5) 20	3) 18	4) 44
5) 40	6) 36	7) 49	7) 42
4) 32	3) 27	4) 16	9) 54
8) 56	6) 66	7) 56	3) 33
2) 12	3) 66	6) 60	8) 32

Divide and Write:



2) 8	3) 24	4) 24	
6) 66	9) 72	7) 35	6) 42
5) 55	6) 48	9) 27	8) 24
5) 45	7) 14	9) 90	7) 63
2) 40	7) 77	6) 36	4) 36
8) 80	7) 35	9) 27	8) 72

Divide and Write:

2) 16	4) 12	9) 54	8) 24
5) 20	5) 18	9) 82	6) 38
2) 18	7) 21	6) 36	4) 28
8) 80	7) 35	9) 27	8) 24
3) 18	3) 27	5) 25	7) 28
6) 60	9) 72	7) 42	8) 32